

*AI*

1. (Amended) An apparatus for assessing a risk of a terrorist attack comprising:  
a memory;  
an input device;  
a display device; and  
a processor connected to the memory, the input device and the display device, the processor being configured to perform the steps of:

*SGC 2*

inputting information about a site of potential terrorist attack from a user;  
constructing a model of the site based on the information input from the user;  
accepting a designation from the user of a weapon and delivery point at the site;  
determining an accessibility of the site to the weapon/delivery point by  
determining a threat vector which is mostly likely the threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;  
determining a probability that a terrorist attack will occur; and  
calculating a risk based at least partially on the accessibility and probability.

2. (Amended) The apparatus of Claim 1, wherein the risk is further based on a consequence calculation.

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4. (Amended) The apparatus of Claim 1, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and risk.

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6. (Amended) The apparatus of Claim 1, wherein the risk is calculated using a Bayesian network.

*AB*

*AC*

7. (Amended) A method for assessing a risk of a terrorist attack comprising the steps of:  
inputting information about a site of a potential terrorist attack from a user;  
constructing a model of the site based on the input from the user;  
accepting a designation from the user of a weapon and delivery point at the site;  
determining an accessibility of the site to the weapon/delivery point by determining a threat vector which is mostly likely the threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;  
determining a probability that a terrorist attack will occur; and  
calculating a risk based at least partially on the accessibility and probability.

8. (Amended) The method of Claim 7, wherein the risk is further based on a consequence calculation.

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10. (Amended) The method of Claim 7, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and risk.

*AS*

12. (Amended) The method of Claim 7, wherein the risk is calculated using a Bayesian network.